INDEX

	Pages
January	1–32
February	33–64
March	65–96
April	97–140
May	141–168
June	169–200
July	201–232
August	233–264
September	265–292
October	293–324
November	325–356
December	357–384

Achievements of COST-43; D.N. Axford, 186
Acquisition, checking and management of meteorological data; F. Cerquetti, 341
Advisory Services Branch; A detailed description of wind and weather during the passage of the storm of 15/16 October 1987 across southern England, 104
Allam, R.J. and Houghton, J.T.; The direct measurement of geopotential height from orbiting platforms, 13
Application of supercomputers to weather forecasting; K.M. Rogers, 65
Autumn of 1987 in the United Kingdom; G.P. Northcott, 221
Axford, D.N., The achievements of COST-43, 186

Bader, M.J., see McGinnigle, Young and Bader
Bell, R.S., see Downton and Bell
Bell, R.S., see Lorenc, Bell, Davies and Shutts
Bennetts, D.A., Grant, J.R. and McCallum, E.; An introductory review of fronts. Part I: Theory and observations, 357
Bennetts, D.A., see Turton and Bennetts
Bennetts, D.A., see Turton, Bennetts and Farmer
Bennetts, D.A., see Turton, Bennetts and Nazer
Blackham, A.; Comments on 'Exceptionally strong winds of 16 October 1987 over the south of England' by Advisory Services Branch, *letter*, 260
Books received, 63, 167, 290, 323, 355
Capstick, G.M.; The great storm of 16 October 1987 — a forecaster's story, 350
Cerquetti, F.; Acquisition, checking and management of meteorological data, 341
Charnock, H., see Reviews, 163
Closure of Meteorological Office at Royal Air Force Binbrook; J.G. Leslie, 318
Cloud-top temperature/height: A high-resolution imagery product from AVHRR data; R.W. Saunders, 211
Cluckie, I.D., see Shepherd, Cluckie, Collier, Yu and James
Cluley, A.P. and Hills, T.S.; Meteorological Office Outstation Display System: from concept to reality, 1
Collier, C.G., see Shepherd, Cluckie, Collier, Yu and James
Comparison or radar and gauge measurements of rainfall over Wales in October 1987; T.J. Hitch and B.D. Hems, 276
Conference reports
  Summer School on the Diagnosis of NWP Products, Meteorological Office College, Shinfield Park, England, 6–10 July 1987; T. Davies, 94
  Summer School on the October storm, Meteorological Office College, Shinfield Park, 20–22 July 1988; C.D. Hall, 381
  Workshop on Satellite and Radar Imagery Interpretation, Meteorological Office College, Shinfield Park, England, 20–24 July 1987; C.A. Nicholass, 28
Cox, G.P.; Modelling precipitation in a cold frontal rainband, 224
Crewe, M.E.; The first 'obs' book?, 378

Davey, M.K., see Reviews, 261
Davies, T., see Conference reports, 94
Davies, T., see Lorenc, Bell, Davies and Shutts
Detailed description of wind and weather during the passage of the storm of 15/16 October 1987 across southern England; Advisory Services Branch, 104
Development of instant occlusions in the North Atlantic; J.B. McGinnigle, M.V. Young and M.J. Bader, 325
Direct measurement of geopotential height from orbiting platforms; R.J. Allam and J.T. Houghton, 13
Downton, R.A. and Bell, R.S.; The impact of analysis differences on a medium-range forecast, 279
Duncan, C., see Reviews, 199
Dynamics of rotating fluids: numerical modelling of annulus flows; A.A. White, 54
Dynamics of rotating fluids: the internally heated annulus; P.L. Read, 45
Dynamics of rotating fluids: the 'philosophy' of laboratory experiments and studies of the atmospheric general circulation; P.L. Read, 35

Ebling, R.A., see Reviews, 354
European Geophysical Society, 195
Extremely severe local weather in northern Greece on 21 July 1983; N.G. Prezerakos and T. Petroliagis, 265

Farmer, S.F.G., see Turton, Bennetts and Farmer
First 'obs' book?; M.E. Crewe, 378
Flood, C.R. and Hunt, R.D.; Public forecasts and warnings of the storm of 15/16 October 1987, 131
Folland, C.K., see Parker and Folland
Forsdyke, Mr D., Retirement of, 196

Gadd, A.J. and Morris, R.M.; Guidance available at Bracknell for the storm of 15/16 October 1987, and the forecasters' conclusions at the time, 110
Golden anniversary of the Naval Meteorological Branch; G. Sullivan, 26
Grant, A.L.M.; Turbulence measurements above rugged terrain: the Llanthony experiment, 154
Grant, J.R., see Bennetts, Grant and McCallum

INDEX

	Pages
January	1–32
February	33–64
March	65–96
April	97–140
May	141–168
June	169–200
July	201–232
August	233–264
September	265–292
October	293–324
November	325–356
December	357–384

Achievements of COST-43; D.N. Axford, 186
Acquisition, checking and management of meteorological data; F. Cerquetti, 341
Advisory Services Branch; A detailed description of wind and weather during the passage of the storm of 15/16 October 1987 across southern England, 104
Allam, R.J. and Houghton, J.T.; The direct measurement of geopotential height from orbiting platforms, 13
Application of supercomputers to weather forecasting; K.M. Rogers, 65
Autumn of 1987 in the United Kingdom; G.P. Northcott, 221
Axford, D.N., The achievements of COST-43, 186

Bader, M.J., see McGinnigle, Young and Bader
Bell, R.S., see Downton and Bell
Bell, R.S., see Lorenc, Bell, Davies and Shutts
Bennetts, D.A., Grant, J.R. and McCallum, E.; An introductory review of fronts. Part I: Theory and observations, 357
Bennetts, D.A., see Turton and Bennetts
Bennetts, D.A., see Turton, Bennetts and Farmer
Bennetts, D.A., see Turton, Bennetts and Nazer
Blackham, A.; Comments on 'Exceptionally strong winds of 16 October 1987 over the south of England' by Advisory Services Branch, *letter*, 260
Books received, 63, 167, 290, 323, 355
Capstick, G.M.; The great storm of 16 October 1987 — a forecaster's story, 350
Cerquetti, F.; Acquisition, checking and management of meteorological data, 341
Charnock, H., see Reviews, 163
Closure of Meteorological Office at Royal Air Force Binbrook; J.G. Leslie, 318
Cloud-top temperature/height: A high-resolution imagery product from AVHRR data; R.W. Saunders, 211
Cluckie, I.D., see Shepherd, Cluckie, Collier, Yu and James
Cluley, A.P. and Hills, T.S.; Meteorological Office Outstation Display System: from concept to reality, 1
Collier, C.G., see Shepherd, Cluckie, Collier, Yu and James
Comparison or radar and gauge measurements of rainfall over Wales in October 1987; T.J. Hitch and B.D. Hems, 276
Conference reports
  Summer School on the Diagnosis of NWP Products, Meteorological Office College, Shinfield Park, England, 6–10 July 1987; T. Davies, 94
  Summer School on the October storm, Meteorological Office College, Shinfield Park, 20–22 July 1988; C.D. Hall, 381
  Workshop on Satellite and Radar Imagery Interpretation, Meteorological Office College, Shinfield Park, England, 20–24 July 1987; C.A. Nicholass, 28
Cox, G.P.; Modelling precipitation in a cold frontal rainband, 224
Crewe, M.E.; The first 'obs' book?, 378

Davey, M.K., see Reviews, 261
Davies, T., see Conference reports, 94
Davies, T., see Lorenc, Bell, Davies and Shutts
Detailed description of wind and weather during the passage of the storm of 15/16 October 1987 across southern England; Advisory Services Branch, 104
Development of instant occlusions in the North Atlantic; J.B. McGinnigle, M.V. Young and M.J. Bader, 325
Direct measurement of geopotential height from orbiting platforms; R.J. Allam and J.T. Houghton, 13
Downton, R.A. and Bell, R.S.; The impact of analysis differences on a medium-range forecast, 279
Duncan, C., see Reviews, 199
Dynamics of rotating fluids: numerical modelling of annulus flows; A.A. White, 54
Dynamics of rotating fluids: the internally heated annulus; P.L. Read, 45
Dynamics of rotating fluids: the 'philosophy' of laboratory experiments and studies of the atmospheric general circulation; P.L. Read, 35

Ebling, R.A., see Reviews, 354
European Geophysical Society, 195
Extremely severe local weather in northern Greece on 21 July 1983; N.G. Prezerakos and T. Petroliagis, 265

Farmer, S.F.G., see Turton, Bennetts and Farmer
First 'obs' book?; M.E. Crewe, 378
Flood, C.R. and Hunt, R.D.; Public forecasts and warnings of the storm of 15/16 October 1987, 131
Folland, C.K., see Parker and Folland
Forsdyke, Mr D., Retirement of, 196

Gadd, A.J. and Morris, R.M.; Guidance available at Bracknell for the storm of 15/16 October 1987, and the forecasters' conclusions at the time, 110
Golden anniversary of the Naval Meteorological Branch; G. Sullivan, 26
Grant, A.L.M.; Turbulence measurements above rugged terrain: the Llanthony experiment, 154
Grant, J.R., see Bennetts, Grant and McCallum

Great storm of 16 October 1987 — a forecaster's story; G.M. Capstick, 350
Guidance available at Bracknell for the storm of 15/16 October 1987, and the forecasters' conclusions at the time; A.J. Gadd and R.M. Morris, 110

Hall, C.D., see Conference reports, 381
Hammon, O.M. and Wilson, C.A.; Improving precipitiation forecasts from the Meteorological Office fine-mesh model by using a modified evaporation scheme, 21
Hayes, F.R., see Houghton, Hayes and Parker
Heckley, W.A., see Reviews, 165
Hems, B.D., see Hitch and Hems
Hide, R.; Studies of geostrophic turbulence, chaos and other non-linear phenomena in rotating fluids: the role of combined laboratory and numerical experiments, 33
Hills, T.S., see Cluley and Hills
Hitch, T.J. and Hems, B.D.; A comparison of radar and gauge measurements of rainfall over Wales in October 1987, 276
Hoare, P.H., see Shutts, Kitchen and Hoare
Hollingsworth, A., see Reviews, 166
Hoskins, Prof. B., elected to Fellowship of the Royal Society, 167
Houghton, D.M., Hayes, F.R. and Parker, B.N.; Media reaction to the storm of 15/16 October 1987, 136
Houghton, D.M., Retirement of, 258
Houghton, J.T., see Allam and Houghton
Hunt, R.D., see Flood and Hunt

Identification of rainfall type from weather radar data; G.W. Shepherd, I.D. Cluckie, C.G. Collier, S. Yu and P.K. James, 180
Impact of analysis differences on a medium-range forecast; R.A. Downton and R.S. Bell, 279
Improving precipitation forecasts from the Meteorological Office fine-mesh model by using a modified evaporation scheme; O.M. Hammon and C.A. Wilson, 21
Introduction to radio ducting; J.D. Turton, D.A. Bennetts and S.F.G. Farmer, 245
Introductory review of fronts. Part I: Theory and observations; D.A. Bennetts, J.R. Grant and E. McCallum, 357
Investigation into stratus distribution over the United Kingdom; D.A. Mansfield, 236

James, P.K., see Shepherd, Cluckie, Collier, Yu and James
Johnson, Mr D.H., Retirement of, 233
Joint Centre for Mesoscale Meteorology; A.J. Thorpe, 285
Jones, Mr D.E., Retirement of, 287

Kershaw, R., see Reviews, 322
Kitchen, M., see Shutts, Kitchen and Hoare

Large amplitude gravity wave detected by radiosonde; G.J. Shutts, M. Kitchen and P.H. Hoare, 306
Larkhill noise assessment model. Part I: Theory and formulation; J.D. Turton, D.A. Bennetts and D.J.W. Nazer, 145
Larkhill noise assessment model. Part II: Assessment and use; J.D. Turton and D.A. Bennetts, 169
Leslie, J.G.; Closure of Meteorological Office at Royal Air Force Binbrook, 318
Lessons from the dispersion and deposition of debris from Chernobyl; F.B. Smith, 310
L.G. Groves Memorial Prizes and Awards, 230
Lorenc, A.C., Bell, R.S., Davies, T. and Shutts, G.J.; Numerical forecast studies of the October 1987 storm over southern England, 118, *correction*, 167

McCallum, E., see Bennetts, Grant and McCallum
McConnell, D.; Observations of noctilucent clouds from Ben Nevis Observatory, 87
McGinnigle, J.B., Young, M.V. and Bader, M.J.; The development of instant occlusions in the North Atlantic, 325
Mansfield, D.A.; An investigation into stratus distribution over the United Kingdom, 236
Marriott, D.J., see Turner and Marriott
May, B.R.; Progress in the development of PARAGON, 79
Media reaction to the storm of 15/16 October 1987; D.M. Houghton, F.R. Hayes and B.N. Parker, 136
Meteorological Office Outstation Display System: from concept to reality; A.P. Cluley and T.S. Hills, 1
Meteorological Office report on the storm of 15/16 October 1987, 97
Modelling precipitation in a cold frontal rainband; G.P. Cox, 224
Morris, R.M., see Gadd and Morris, 110
Morris, R.M.; The refurbishment of the Central Forecasting Office, Bracknell, 194
Morris, R.M.; The synoptic-dynamical evolution of the storm of 15/16 October 1987, 293

Naidu, C.V., see Subbaramayya, Vivekananda Babu and Naidu
Nature of climatic variability; D.E. Parker and C.K. Folland, 201
Nazer, D.J.W., see Turton, Bennetts and Nazer
Nicholass, C.A., see Conference reports, 28
Northcott, G.P.; Gorleston wind speeds October 1987, *letter*, 261
Northcott, G.P.; Reply to comments by Blackham on 'Exceptionally strong winds of 16 October 1987 over the south of England', *letter*, 260
Northcott, G.P.; The autumn of 1987 in the United Kingdom, 221
Northcott, G.P.; The summer of 1987 in the United Kingdom, 161, *correction*, 291
Northcott, G.P.; The winter of 1987/88 in the United Kingdom, 347
Note on the normal dates of onset of summer monsoon over south peninsular India; I. Subbaramayya, S. Vivekananda Babu and C.V. Naidu, 371
Numerical forecast studies of the October 1987 storm over southern England; A.C. Lorenc, R.S. Bell, T. Davies and G.J. Shutts, 118, *correction*, 167

Observations of noctilucent clouds from Ben Nevis Observatory; D. McConnell, 87

Palmer, Dr T.N., awarded the Buchan Prize of the Royal Meteorological Society, 320
Parker, B.N. see Houghton, Hayes and Parker
Parker, D.E., see Reviews, 262, 353
Parker, D.E. and Folland, C.K.; The nature of climatic variability, 201
Pearce, R.P., see Swinnerton-Dyer and Pearce
Perry, A., see Reviews, 198
Petroliagis, T., see Prezerakos and Petroliagis
Prezerakos, N.G. and Petroliagis, T.; The extremely severe local weather in northern Greece on 21 July 1983, 265
Professor Dr Vilho Vaisala award, 353

Progress in the development of PARAGON; B.R. May, 79
Public forecasts and warnings of the storm of 15/16 October 1987; C.R. Flood and R.D. Hunt, 131

Read, P.L.; The dynamics of rotating fluids: the internally heated annulus, 45
Read, P.L.; The dynamics of rotating fluids: the 'philosophy' of laboratory experiments and studies of the atmospheric general circulation, 35
Refurbishment of the Central Forecasting Office, Bracknell; R.M. Morris, 194
Restructuring of Branches within the Meteorological Office, 321
Retirements
Forsdyke, D., 196
Houghton, D.M., 258
Johnson, D.H., 233
Jones, D.E., 287
Roach, Dr W.T., 320
Reviews
Acidic precipitation, ed. H.C. Martin (F.B. Smith), 164
Atmosphere, weather and climate, R.G. Barry and R.J. Chorley (R. Kershaw), 322
Boundary layer climates, T.R. Oke (N. Wood), 289
Climate and plant distribution, F.I. Woodward (M. Wilson), 30
General circulation of the ocean, eds H.D.I. Abarbanel and W.R. Young (M.K. Davey), 261
Geophysical fluid dynamics, J. Pedlosky (A.A. White), 197
Meteorology for seafarers, R.M. Frampton and P.A. Uttridge (R.A. Ebling), 354
Monsoons, eds J.S. Fein and P.L. Stephens (W.A. Heckley), 165
Satellite remote sensing, R. Harris (C. Duncan), 199
Statistical analysis of spherical data, N.I. Fisher, T. Lewis and B.J.J. Embleton (A. Hollingsworth), 166
The little ice age, J.M. Grove (D.E. Parker), 353
The physics of atmospheres, J.T. Houghton (H. Charnock), 163
The weather of the 1780s over Europe, J. Kington (D.E. Parker), 262
Weather radar and flood forecasting, eds V.K. Collinge and C. Kirby (A. Perry), 198
Roach, Dr W.T., Retirement of, 320
Rogers, K.M.; The application of supercomputers to weather forecasting, 65
Satellite and/or radar photographs
16 October 1987 at 0820 GMT, 64
11 November 1987 at 1300 GMT, 32
9 January 1988 at 0911 GMT, 96
30 January 1988 at 1721 GMT, 168
4 April 1988 at 0805 GMT, 200
0600 GMT 26 May 1988, 232
5 June 1988 at 1427 GMT, 264
5 July 1988 at 1542 GMT, 292
28 July 1988, 324
10 August 1988 at 0815 and 1553 GMT, 356
10 October 1988 at 0926 GMT, 384
Saunders, R.W.; Cloud-top temperature/height: A high-resolution imagery product from AVHRR data, 211
Shepherd, G.W., Cluckie, I.D., Collier, C.G., Yu, S. and James, P.K.; The identification of rainfall type from weather radar data, 180
Shutts, Dr G.J., awarded the Buchan Prize of the Royal Meteorological Society, 320
Shutts, G.J., Kitchen, M. and Hoare, P.H.; A large amplitude gravity wave detected by radiosonde, 306
Shutts, G.J., see Lorenc, Bell, Davies and Shutts
Smith, F.B.; Lessons from the dispersion and deposition of debris from Chernobyl, 310
Smith, F.B., see Reviews, 164
Studies of geostrophic turbulence, chaos and other non-linear phenomena in rotating fluids: the role of combined laboratory and numerical experiments; R. Hide, 33
Subbaramayya, I., Vivekananda Babu, S. and Naidu, C.V., A note on the normal dates of onset of summer monsoon over south peninsular India, 371
Sullivan, G.; Golden anniversary of the Naval Meteorological Branch, 26
Summary and conclusions from the Secretary of State's enquiry into the storm of 16 October 1987; Sir Peter Swinnerton-Dyer and R.P. Pearce, 141
Summary of weather pattern developments of the storm of 15/16 October 1987; A. Woodroffe, 99
Summer of 1987 in the United Kingdom; G.P. Northcott, 161, *correction*, 291
Swinnerton-Dyer, Sir Peter, and R.P. Pearce; Summary and conclusions from the Secretary of State's enquiry into the storm of 16 October 1987, 141
Synoptic-dynamical evolution of the storm of 15/16 October 1987; R.M. Morris, 293

Taylor, J.A.; W.H. Hogg (1910–87) — an appreciation, 229
Thorpe, A.J.; Joint Centre for Mesoscale Meteorology, 285
Turbulence measurements above rugged terrain: the Llanthony experiment, A.L.M. Grant, 154
Turner, D.W. and Marriott, D.J.; An unusual example of freezing rain, 255
Turton, J.D. and Bennetts, D.A.; The Larkhill noise assessment model. Part II: Assessment and use, 169
Turton, J.D., Bennetts, D.A. and Farmer, S.F.G.; An introduction to radio ducting, 245
Turton, J.D., Bennetts, D.A. and Nazer, D.J.W.; The Larkhill noise assessment model. Part I: Theory and formulation, 145

Unusual example of freezing rain; D.W. Turner and D.J. Marriott, 255

Vivekananda Babu, S., see Subbaramayya, Vivekananda Babu and Naidu

W.H. Hogg (1910–87) — an appreciation; J.A. Taylor, 229
White, A.A., see Reviews, 197
White, A.A.; The dynamics of rotating fluids: numerical modelling of annulus flows, 54
Wilson, C.A., see Hammon and Wilson
Wilson, M., see Reviews, 30
Winter of 1987/88 in the United Kingdom; G.P. Northcott, 347
Wood, N., see Reviews, 289
Woodroffe, A.; Summary of weather pattern developments of the storm of 15/16 October 1987, 99

Young, M.V., see McGinnigle, Young and Bader
Yu, S., see Shepherd, Cluckie, Collier, Yu and James